



ExxonMobil
ORIGINAL

Product Name: MOBIL CLEAN HIGH MILEAGE 10W-30
Revision Date: 23May2008
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MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: MOBIL CLEAN HIGH MILEAGE 10W-30
Product Description: Base Oil and Additives
Product Code: 484014-00, 97Z359
Intended Use: Engine oil

COMPANY IDENTIFICATION

Supplier: EXXON MOBIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA. 22037 USA
24 Hour Health Emergency 609-737-4411
Transportation Emergency Phone 800-424-9300
ExxonMobil Transportation No. 281-834-3296
MSDS Requests 713-613-3661
Product Technical Information 800-662-4525, 800-947-9147
MSDS Internet Address <http://www.exxon.com>, <http://www.mobil.com>

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Hazardous Substance(s) or Complex Substance(s)

Name	CAS#	Concentration*
ZINC ALKYL DITHIOPHOSPHATE	68649-42-3	< 2.5%

* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

SECTION 3 HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines (see (M)SDS Section 15).

POTENTIAL HEALTH EFFECTS

Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.

NFPA Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0
HMIS Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0

NOTE: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 4 FIRST AID MEASURES

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INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

SKIN CONTACT

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

First aid is normally not required. Seek medical attention if discomfort occurs.

SECTION 5

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Smoke, Fume, Aldehydes, Sulfur oxides, Oxides of carbon, Incomplete combustion products

FLAMMABILITY PROPERTIES

Flash Point [Method]: >200C (392F) [ASTM D-92]

Flammable Limits (Approximate volume % in air): LEL: 0.9 UEL: 7.0

Autoignition Temperature: N/D

SECTION 6

ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the

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applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

SPILL MANAGEMENT

Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7

HANDLING AND STORAGE

HANDLING

Avoid contact with used product. Prevent small spills and leakage to avoid slip hazard.

Static Accumulator: This material is a static accumulator.

STORAGE

Do not store in open or unlabelled containers.

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Exposure limits/standards for materials that can be formed when handling this product: When mists / aerosols can occur, the following are recommended: 5 mg/m³ - ACGIH TLV, 10 mg/m³ - ACGIH STEL, 5 mg/m³ - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications,

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handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

No special requirements under ordinary conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

No protection is ordinarily required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

ENVIRONMENTAL CONTROLS

See Sections 6, 7, 12, 13.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State: Liquid
Color: Amber
Odor: Characteristic
Odor Threshold: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15 C): 0.87
Flash Point [Method]: >200C (392F) [ASTM D-92]
Flammable Limits (Approximate volume % in air): LEL: 0.9 UEL: 7.0
Autoignition Temperature: N/D

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Boiling Point / Range: N/D
Vapor Density (Air = 1): N/D
Vapor Pressure: < 0.013 kPa (0.1 mm Hg) at 20 C
Evaporation Rate (n-butyl acetate = 1): N/D
pH: N/A
Log Pow (n-Octanol/Water Partition Coefficient): > 3.5
Solubility in Water: Negligible
Viscosity: 67 cSt (67 mm²/sec) at 40 C | 10.5 cSt (10.5 mm²/sec) at 100C
Oxidizing Properties: See Sections 3, 15, 16.

OTHER INFORMATION

Freezing Point: N/D
Melting Point: N/A
Pour Point: -24°C (-11°F)
DMSO Extract (mineral oil only), IP-346: < 3 %wt

SECTION 10	STABILITY AND REACTIVITY
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STABILITY: Material is stable under normal conditions.**CONDITIONS TO AVOID:** Excessive heat. High energy sources of ignition.**MATERIALS TO AVOID:** Strong oxidizers**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient temperatures.**HAZARDOUS POLYMERIZATION:** Will not occur.

SECTION 11	TOXICOLOGICAL INFORMATION
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ACUTE TOXICITY

Route of Exposure	Conclusion / Remarks
Inhalation	
Toxicity (Rat): LC50 > 5000 mg/m3	Minimally Toxic. Based on test data for structurally similar materials.
Irritation: No end point data.	Negligible hazard at ambient/normal handling temperatures. Based on assessment of the components.
Ingestion	
Toxicity (Rat): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Skin	
Toxicity (Rabbit): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Irritation (Rabbit): Data available.	Negligible irritation to skin at ambient temperatures. Based on test data for structurally similar materials.
Eye	
Irritation (Rabbit): Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.

CHRONIC/OTHER EFFECTS

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For the product itself:

Diesel engine oils: Not carcinogenic in animals tests. Used and unused diesel engine oils did not produce any carcinogenic effects in chronic mouse skin painting studies.

Oils that are used in gasoline engines may become hazardous and display the following properties: Carcinogenic in animal tests. Caused mutations in vitro. Possible allergen and photoallergen. Contains polycyclic aromatic compounds (PAC) from combustion products of gasoline and/or thermal degradation products.

Contains:

Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.

Additional information is available by request.

The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = NTP CARC
2 = NTP SUS

3 = IARC 1
4 = IARC 2A

5 = IARC 2B
6 = OSHA CARC

SECTION 12**ECOLOGICAL INFORMATION**

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.

MOBILITY

Base oil component -- Low solubility and floats and is expected to migrate from water to the land.
Expected to partition to sediment and wastewater solids.

PERSISTENCE AND DEGRADABILITY**Biodegradation:**

Base oil component -- Expected to be inherently biodegradable

BIOACCUMULATION POTENTIAL

Base oil component -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

SECTION 13**DISPOSAL CONSIDERATIONS**

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

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DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14

TRANSPORT INFORMATION

LAND (DOT): Not Regulated for Land Transport

LAND (TDG): Not Regulated for Land Transport

SEA (IMDG): Not Regulated for Sea Transport according to IMDG-Code

AIR (IATA): Not Regulated for Air Transport

SECTION 15

REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

NATIONAL CHEMICAL INVENTORY LISTING: KECI, DSL, ENCS, TSCA

Special Cases:

Inventory	Status
ELINCS	Restrictions Apply

EPCRA: This material contains no extremely hazardous substances.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

SARA (313) TOXIC RELEASE INVENTORY:

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Chemical Name	CAS Number	Typical Value
ZINC ALKYL DITHIOPHOSPHATE	68649-42-3	< 2.5%

The Following Ingredients are Cited on the Lists Below:

Chemical Name	CAS Number	List Citations
DIPHENYLAMINE	122-39-4	5, 18
ZINC ALKYL DITHIOPHOSPHATE	68649-42-3	13, 15, 17

—REGULATORY LISTS SEARCHED—

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

SECTION 16	OTHER INFORMATION
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N/D = Not determined, N/A = Not applicable

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Revision Changes:

Section 06: Notification Procedures - Header was modified.
 Section 13: Empty Container Warning was modified.
 Section 08: Hand Protection was modified.
 Section 09: Vapor Pressure was modified.
 Section 11: Dermal Lethality Test Data was modified.
 Section 11: Oral Lethality Test Data was modified.
 Section 11: Inhalation Lethality Test Data was modified.
 Section 06: Accidental Release - Spill Management - Water was modified.
 Section 09: Relative Density - Header was modified.
 Section 09: Flash Point C(F) was modified.
 Section 09: Viscosity was modified.
 Section 09: Viscosity was modified.
 Composition: Component table was modified.
 Section 15: List Citations Table was modified.
 Section 15: SARA (313) TOXIC RELEASE INVENTORY - Table was modified.
 Section 15: National Chemical Inventory Listing was modified.
 Section 06: Accidental Release Measures - Environmental Precautions was modified.
 Section 16: Code to MHCs was modified.
 Section 06: Notification Procedures was modified.
 Section 08: Exposure Limit Values - Header was added.
 Section 12: Ecological Information - Acute Aquatic Toxicity was added.
 Section 12: Ecological Information - Acute Aquatic Toxicity was added.
 Section 16: Global Disclaimer was added.
 Hazard Identification: Environmental Hazard was deleted.
 Hazard Identification: Environmental Hazard - Header was deleted.
 Section 16: Disclaimer was deleted.
 Section 12: Ecological Information - Acute Aquatic Toxicity was deleted.
 Section 12: Ecological Information - Acute Aquatic Toxicity was deleted.

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MHC: 0B, 0B, 0, 0, 0, 0

PPEC: A

DGN: 7009524XUS (1008064)

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Product Name: MOBIL 1 RACING 4T 20W-50
Revision Date: 30Apr2009
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MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: MOBIL 1 RACING 4T 20W-50
Product Description: Synthetic Base Stocks and Additives
Product Code: 482935-00, 97X094
Intended Use: Engine oil

COMPANY IDENTIFICATION

Supplier: EXXON MOBIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA. 22037 USA
24 Hour Health Emergency 609-737-4411
Transportation Emergency Phone 800-424-9300
ExxonMobil Transportation No. 281-834-3296
Product Technical Information 800-662-4525, 800-947-9147
MSDS Internet Address <http://www.exxon.com>, <http://www.mobil.com>

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Hazardous Substance(s) or Complex Substance(s)

Name	CAS#	Concentration*
ZINC DITHIOPHOSPHATE	68649-42-3	< 2.5%

* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

SECTION 3 HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines (see (M)SDS Section 15).

POTENTIAL HEALTH EFFECTS

Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.

NFPA Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0
HMIS Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0

NOTE: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 4 FIRST AID MEASURES

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product may be regulated.

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14	TRANSPORT INFORMATION
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LAND (DOT) : Not Regulated for Land Transport

LAND (TDG) : Not Regulated for Land Transport

SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code

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SECTION 15	REGULATORY INFORMATION
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OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

NATIONAL CHEMICAL INVENTORY LISTING: AICS, DSL, ENCS, TSCA
Special Cases:

Inventory	Status
ELINCS	Restrictions Apply

EPCRA: This material contains no extremely hazardous substances.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

SARA (313) TOXIC RELEASE INVENTORY:

Chemical Name	CAS Number	Typical Value
ZINC DITHIOPHOSPHATE	68649-42-3	< 2.5%

The Following Ingredients are Cited on the Lists Below:

Chemical Name	CAS Number	List Citations
DIPHENYLAMINE	122-39-4	5
PHENOL,	118-82-1	5 <i>Circle 100</i>

Product Name: MOBIL 1 RACING 4T 20W-50

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4,4-METHYLENEBIS(2,6-BIS(1,1-DIMETHYLETHYL)-		
ZINC DITHIOPHOSPHATE	68649-42-3	13, 15, 17

--REGULATORY LISTS SEARCHED--

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

SECTION 16

OTHER INFORMATION

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Section 13: Empty Container Warning was modified.

Section 08: Hand Protection was modified.

Section 11: Dermal Lethality Test Data was modified.

Section 11: Oral Lethality Test Data was modified.

Section 05: Hazardous Combustion Products was modified.

Section 15: List Citations Table was modified.

Section 15: List Citation Table - Header was modified.

Section 16: Code to MHCs was modified.

Section 06: Notification Procedures was modified.

Section 01: Company Contact Methods Sorted by Priority was modified.

Section 15: TSCA Class 2 Statement was deleted.

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Internal Use Only

MHC: 0B, 0B, 0, 0, 0, 0

PEEC: A

DGN: 2027023XUS (544474)

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION
MOBIL SPECIAL 104-32 EXPORT

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MULTIGRADE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 400119)

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE: ASTM 5.5 LIQUID	VISCOSITY: AT 100 F, SUS 343.0	AT 40 C, CS 66.8
COLOR: MILD	VISCOSITY: AT 210 F, SUS 63.0	AT 100 C, CS 10.8
RELATIVE DENSITY: 15/4 C 0.83	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -35(-37)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) 400(204) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

INGREDIENTS

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 80
ADDITIVES AND/OR OTHER INGREDIENTS < 20

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 5 G/KG 0/10 RATS DIED AT THIS DOSAGE LEVEL. CONSIDERED TO BE NO MORE THAN SLIGHTLY TOXIC BASED ON SINGLE DOSE LEVEL TESTING AT 5 G/KG.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG 0/06 RABBITS DIED AT THIS DOSAGE LEVEL. CONSIDERED TO BE NO MORE THAN SLIGHTLY TOXIC BASED ON SINGLE DOSE LEVEL TESTING AT 2 G/KG.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

CAUSED SLIGHT IRRITATION TO RABBITS. EYE IRRITATION SCORES: 10.7 AT 1 HOUR, 7.3 AT 24 HOURS, 1.8 AT 48 HOURS, 1.0 AT 4 DAYS

SKIN IRRITATION: (RABBITS)

SLIGHTLY IRRITATING TO RABBITS. PRIMARY IRRITATION SCORE: 1.5/8

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL IN: MFV514AC2102) MHC: 1 1 NA 1 1 US80-165E-341-75 APPROVE 8536

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

REVISED:

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 483-5594 12/ 1/81

MOBIL MATERIAL SAFETY DATA BULLETIN

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBILGARD 442

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MARINE DIESEL LUBE

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 602524)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
DARK AMBER LIQUID	675.0	129.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	74.0	13.7
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.918	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	10(-12)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600(316)	>440(227) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
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(APPROX)

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 80
ADDITIVES AND/OR OTHER INGREDIENTS < 20

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE --- HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL IN): RV173703002) MHC: 1* 1* NA 0* 1* US82-128E-463-81 APPROVE 8422

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 383-5594

REVISED: 1/21/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

157 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****
MOBILGARD 412

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
DIESEL ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 602482)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: DARK AMBER LIQUID	VISCOSITY: AT 100 F, SUS 910.0	AT 40 C, CS 152.0
ODOR: MILD	VISCOSITY: AT 210 F, SUS 77.0	AT 100 C, CS 14.3
RELATIVE DENSITY: 15/4 C 0.895	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 10 (-12)	
BOILING POINT: F(C) > 600 (316)	FLASH POINT: F(C) (METHOD) 450 (232) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS:				
NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 90			
ADDITIVES AND/OR OTHER INGREDIENTS	< 10			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT.
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RN154803201) MHC: 0* 0* NA 0* 1* US82-128E-179-77 APPROVE
8440

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

2/ 8/83

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBILGARD 593

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

MARINE CYLINDER OIL

HEALTH EMERGENCY TELEPHONE:

(212)883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800)424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 602458)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

DARK AMBER LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.93

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>600(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS

1020.0

AT 40 C, CS

200.0

VISCOSITY: AT 210 F, SUS

37.0

AT 100 C, CS

19.0

SOLUBILITY IN WATER:

NEGLECTIBLE

PH:

NA

POUR POINT: F(C)

25(-4)

FLASH POINT: F(C) (METHOD)

450(232) (ASTM D-92)

NA=NOT APPLICABLE

NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT
(APPROX)

TLV(TWA):

MG/M3

PPM

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 85

ADDITIVES AND/OR OTHER INGREDIENTS.

< 15

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~~~SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.~~~~DERMAL TOXICITY: (RABBITS)~~~~SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.~~

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL IN): RN198823101 MHC: 1* 1* NA 1* 1* US82-12RE-176-77 APPROVE 8435

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

1/ 4/83

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION
MOBIL VOCO ENGINE OIL NO. 1

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
SPECIAL MACHINE OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601948)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 3.0 LIQUID	725.0	140.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	77.0	14.2
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.915	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	10(-12)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600 (316)	>380 (193) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 75
ADDITIVES AND/OR OTHER INGREDIENTS. < 25

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 5 G/KG 1/10 RATS DIED AT THIS DOSAGE LEVEL. SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG 0/10 RABBITS DIED AT THIS DOSAGE LEVEL. SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. EYE IRRITATION SCORES: 1.0 AT 24 HOURS, 0 AT 48 HOURS, 0 AT 72 HOURS---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTL196E3101) MHC: 1* 1* NA 0* 0* US82-094E-231-73 APPROVE 8272

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

9/13/82

MOBIL MATERIAL SAFETY DATA BULLETIN

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL DTE OIL 105

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
COMPRESSOR LUBRICATING OIL

HEALTH EMERGENCY TELEPHONE:
(212)863-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601880)

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 3.0 LIQUID	1535.0	290.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	83.5	290.0
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
1.722	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	15(-9)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>530(316)	>435(224) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

INGREDIENTS

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 95
ADDITIVES AND/OR OTHER INGREDIENTS < 5

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

~~LD50: > 5 G/KG - 0/10 RATS DIED AT THIS DOSAGE LEVEL. SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.~~

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG 0/10 RABBITS DIED AT THIS DOSAGE LEVEL. SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. EYE IRRITATION SCORES: 1.0 AT 24 HOURS, 0 AT 48 HOURS, 0 AT 72 HOURS---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: TSD191151) MHC: 1* 1* NA 0* J* US83-031E-222-73 APPROVE 8504

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED: 4/13/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****
GARGOYLE ARCTIC OIL EXTRA HEAVY

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TPN 601708)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 4.0 LIQUID	VISCOSITY: AT 100 F, SUS 332.5	AT 40 C, CS 54.3
COLOR: MILD	VISCOSITY: AT 210 F, SUS 55.0	AT 100 C, CS 7.1
RELATIVE DENSITY: 15/4 C 0.896	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -10(-23)	
BUILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) >375(191) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS: NONE				
NON-HAZARDOUS INGREDIENTS: REFINED MINERAL OILS	> 95			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 5			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: 1500221022) MHC: 1* 1* NA 0* 1* USH2-384NONE

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

9/14/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION *****
GARGOYLE ARCTIC OIL C HEAVY

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
COMPRESSOR LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601690)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 1.0 LIQUID	VISCOSITY: AT 100 F, SUS 230.0	AT 40 C, CC 45.0
COLOR: MILD	VISCOSITY: AT 210 F, SUS 45.5	AT 100 C, CS 5.8
RELATIVE DENSITY: 15/4 C 0.91	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -35(-37)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) >340(171) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS: NONE				
NON-HAZARDOUS INGREDIENTS: REFINED MINERAL OILS	> 95			
ADDITIVES AND/OR OTHER INGREDU.	< 5			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: TSD345052) MHC: 1* 1* NA 1* 1* USR2-251NONE

8474

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 893-5594

REVISED:
3/14/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBIL VACUOLINE 145

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212)843-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601468)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
DARK AMBER LIQUID	2400.0	450.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	140.0	29.0
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.892	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
	10(-12)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>500(316)	>505(263) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
3.1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 95
ADDITIVES AND/OR OTHER INGREDIENTS < 5

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

NONTOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

NONTOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE --- HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE NOTES:

(FILL NO: MTL126K101) MHC: 0 * 0 * NA * * * USB0-126 NONE

8294

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
9/15/82

MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

ORIGINAL

PRODUCT IDENTIFICATION *****
MOBIL VACUOLINE 133

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212) 853-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601419)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F. SUS	AT 40 C. CS
ASTM 5.0 LIQUID	1105.0	238.5
ODOR:	VISCOSITY: AT 210 F. SUS	AT 100 C. CS
MILD	91.7	10.4
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.892	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	20(-7)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
630(316)	400(204) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT	TLV(TWA):	MG/M3	PPM
	(APPROX)			
HAZARDOUS INGREDIENTS:				
NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 95			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 5			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 15 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 5 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTL126
8422

) MHC: 0* 0* NA 0* 0*

NONE

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
1/21/83

MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL VACUOLINE 1403

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MACHINE TOOL LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601328)

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE: ASTM 3.3 LIQUID	VISCOSITY: AT 100 F., SUS 335.0	AT 40 C., C 55.0
ODOR: MILD	VISCOSITY: AT 210 F., SUS 55.0	AT 100 C., CS 8.6
RELATIVE DENSITY: 15/4 C 0.898	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 20(-7)	
BOILING POINT: F(C) >500(316)	FLASH POINT: F(C) (METHOD) 390(199) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED. D=DECOMPOSES

INGREDIENTS

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 90
ADDITIVES AND/OR OTHER INGRED. < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL-TOXICITY: (RATS)

NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. EYE IRRITATION SCORES: 0 AT 24 HOURS, 0 AT 48 HOURS, 0 AT 72 HOURS---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. PRIMARY IRRITATION SCORE: 0/1---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO): MTL150C502) MHC: 0* 0* NA 0* 0* US81-185NONE

8342

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION. PHONE: (212) 883-5594

REVISED:

1/ 6/82

MOBIL MATERIAL SAFETY DATA BULLETIN

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBIL VACUOLINE 1435

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PETROLEUM HYDROCARBONS

USE OR DESCRIPTION:

MACHINE TOOL LUBRICANT

HEALTH EMERGENCY TELEPHONE:

(212) 853-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9330 (CHEMTREC)

OTHER DESIGNATION:

(TRN 601310)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 3.0 LIQUID

VISCOSITY: AT 100 F, SUS

155.0

AT 40 C, CS

30.0

ODOR:

MARKETABLE

VISCOSITY: AT 210 F, SUS

43.0

AT 100 C, CS

5.0

RELATIVE DENSITY: 15/4 C

J.876

SOLUBILITY IN WATER:

NEGLECTIBLE

PH:

MELTING POINT: F(C)

NA

POUR POINT: F(C)

15(-9)

BOILING POINT: F(C)

>600(316)

FLASH POINT: F(C) (METHOD)

395(196) (ASTM D-92)

VAPOR PRESSURE:MM HG 20C

< .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PEM
(APPROX)			

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS > 90

ADDITIVES AND/OR OTHER INGREDIENTS. < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL NO: MTL150A122) MHC: 0 * 0 * NA 0 * 0 * US82-119NONE

8300

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
12/20/82

MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

ORIGINAL

PRODUCT IDENTIFICATION *****
MOBIL 600 W CYLINDER OIL

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
CYLINDER OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 601260)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 4.0 LIQUID	2000.0	375.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	140.0	29.0
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.901	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	40 (4)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
550 (316)	54 (282) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS:				
NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 95			
ADDITIVES AND/OR OTHER INGREDIENTS	< 5			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

NONTOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

NONTOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE --- HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RN153903360) MHC: 0* 0* NA 0* 0* US82-128E-180-76 APPROVE 8404

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 383-5594

REVISED:
1/ 3/83

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBILGARD 424

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PETROLEUM HYDROCARBONS
USE OR DESCRIPTION:
MARINE DIESEL LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 602565)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: DARK AMBER LIQUID	VISCOSITY: AT 100 F, SUS 830.0	AT 40 C, CS 158.0
ODOR: MILD	VISCOSITY: AT 210 F, SUS 77.0	AT 100 C, CS 14.3
RELATIVE DENSITY: 15/4 C 0.922	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 10(-12)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) 440(227) (OPEN CUP)	
VAPOR PRESSURE:MM HG 20C < .1		

VA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPROX)	TLV(TWA):	MG/M3	PEM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 80
ADDITIVES AND/OR OTHER INGREDIENTS < 20

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 5 G/KG 0/10 RATS DIED AT THIS DOSAGE LEVEL. SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG 0/10 RABBITS DIED AT THIS DOSAGE LEVEL. SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RL10032H201) MHC: 1* 1* NA 0* 0* US83-010E-223-73 APPROVE 8475

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION. PHONE: (212) 883-5594

REVISED:
3/16/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL DTE 25

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

HYDRAULIC OIL

HEALTH EMERGENCY TELEPHONE:

(212)883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800)424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 602631)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 4.0 LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.858

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>600 (316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS

220.0

VISCOSITY: AT 210 F, SUS

47.0

SOLUBILITY IN WATER:

NEGLECTIBLE

POUR POINT: F(C)

-54(-21)

FLASH POINT: F(C) (METHOD)

395(202) (ASTM D-92)

AT 40 C, CS

42.0

AT 100 C, CS

6.2

PH:

NA

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPRX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 95

ADDITIVES AND/OR OTHER INGREDIENTS.

< 5

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS
AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS
AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT.
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RL1149410202) MHC: 1* 1* NA C* 1* US82-192NONE

8341

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 983-5594

REVISED:
11/ 1/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL DTE 13

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

HYDRAULIC OIL

HEALTH EMERGENCY TELEPHONE:

(212) 323-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 602680)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

AMBER LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.881

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>600(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS

150.0

AT 40 C, CS

29.0

VISCOSITY: AT 210 F, SUS

46.5

AT 100 C, CS

6.1

SOLUBILITY IN WATER:

NEGLECTIBLE

PH:

NA

POUR POINT: F(C)

-40(-40)

FLASH POINT: F(C) (METHOD)

>330(166) (ASTM D-92)

NA=NOT APPLICABLE

NE=NOT ESTABLISHED

D=DECOMPOSES

***** INGREDIENTS *****

WT PCT
(APPROX)

TLV(TWA):

MG/M3

PPM

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 90

ADDITIVES AND/OR OTHER INGREDIENTS.

< 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 15 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 8 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL IN): R0931C1*101) MHC: 1* 1* NA 0* 0* US82-251NONE

8474

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
3/14/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBILGARD 345

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

DIESEL ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)OTHER DESIGNATION:
(TRN 602813)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

DARK AMBER LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.895

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>600(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS
560.0VISCOSITY: AT 210 F, SUS
67.0

SOLUBILITY IN WATER:

NEGLECTIBLE

POUR POINT: F(C)

0(-18)

FLASH POINT: F(C) (METHOD)

>446(230) (ASTM D-92)

AT 40 C, CS
108.0AT 100 C, CS
11.8PH:
NA

NA=NOT APPLICABLE

NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT
(APPROX)

TLV(TWA):

MG/M3

PPM

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 85

ADDITIVES AND/OR OTHER INGREDIENTS.

< 15

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

LC50: >1 MG/L FOR 7 HRS. 3/10 RATS DIED AT THIS DOSAGE LEVEL.
NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT.
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

****THIS MIXTURE OR A SIMILAR MIXTURE DID NOT RESULT IN ANY FATALITIES TO RATS AT CONCENTRATIONS (SEE INHALATION TOXICITY ABOVE) SUBSTANTIALLY HIGHER THAN THE 5 MG/M3 TLV SUGGESTED FOR OIL MISTS.

FILE CODES:

(FILL NO: RL92540E002.) MHC: 1* 1* 0* 1* 1* US82-084 NONE

8398

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
12/28/82

MOBIL MATERIAL SAFETY DATA BULLETIN

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL ALMO 527

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
ROCK DRILL LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9333 (CHEMTREC)
OTHER DESIGNATION:
(TRN 603191)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 5.0 LIQUID	550.0	105.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	65.0	11.3
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.896	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	-20(-29)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>633(316)	>393(199) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C		
< .1		

NA=NOT APPLICABLE. NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS:				
NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 95			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 5			
CHLORINATED PARAFFIN WAX	< 5			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

FILE NO: TSD029013 MHC: 1* 1* NA 1* 5* US82-119E-171-79 APPROVE
8323

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
10/14/82

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBILFLUID 350

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
HYDRAULIC FLUID

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9310 (CHEMTREC)
OTHER DESIGNATION:
(TPN 605758)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 3.5 LIQUID	195.0	50.5
COLOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	52.0	7.6
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.887	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	-40 (-40)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600 (316)	>370 (188) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 90
ADDITIVES AND/OR OTHER INGREDIENTS < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 15 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 5 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MFL12/H
8044

) MHC: G * 0 * NA C * 3 * US79-056NONE

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
1/ 8/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBIL VACUOLINE 337

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

LUBRICANT

HEALTH EMERGENCY TELEPHONE:

(212) 883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 606103)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 7.5 LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.892

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>500(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F. SUS

1704.0

VISCOSITY: AT 210 F. SUS

119.3

SOLUBILITY IN WATER:

NEGLECTIBLE

POUR POINT: F(C)

10(-12)

FLASH POINT: F(C) (METHOD)

460(238) (ASTM D-92)

AT 40 C. CS

320.0

AT 100 C. CS

24.1

PH:

NA

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT. PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 95

ADDITIVES AND/OR OTHER INGREDIENTS.

< 5

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS
AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS
AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: R41991C201) MHC: 1* 1* NA 2* 1* US81-192E-220-72 APPROVE
8231

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
7/14/82

MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION *****

MOBILGARD 300

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MARINE DIESEL ENGINE OILHEALTH EMERGENCY TELEPHONE:
(212) 343-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 606665)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
DARK AMBER LIQUID	580.0	114.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
TYPICAL LUBE	66.0	11.5
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.894	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	15(-9)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600(316)	>440(227) (ASTM D-3278)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT	TLV(TWA):	MG/M3	PPM
	(APPROX)			
HAZARDOUS INGREDIENTS:				
NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 95			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 10			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS
AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS
AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE --- HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. --- BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RV10831001) MHC: 1* 1* NA 0*)* US83-013NONE
85J3

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

APPROVE

REVISED:
4/12/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****
MOBILGARD 507

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
DIESEL ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 606723)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: AMBER LIQUID	VISCOSITY: AT 100 F, SUS 1090.0	AT 40 C, CS 230.0
ODOR: MILD	VISCOSITY: AT 210 F, SUS 94.0	AT 100 C, CS 18.4
RELATIVE DENSITY: 15/4 C 0.895	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 15(-9)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) >460(238) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS: NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 90			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 10			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RN210/E3063) MHC: 1* 1* NA 0* 1* USH2-128NONE

8424

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

1/ 3/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBILGARD 570

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MARINE DIESEL CYLINDER OIL

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 606806)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 3.0 LIQUID	VISCOSITY: AT 100 F, SUS 1050.0	AT 40 C, CS 200.0
ODOR: MILD	VISCOSITY: AT 210 F, SUS 95.0	AT 100 C, CS 19.0
RELATIVE DENSITY: 15/4 C 0.94	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 25(-4)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) >450(232) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS: NONE				
NON-HAZARDOUS INGREDIENTS: REFINED MINERAL OILS	> 70			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 30			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT ESTABLISHED

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT.
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: TS00031300) MHC: 1* 1* NE 0* 1* US82-084NONE

8293

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
9/14/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL MIST LUBE 27

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

INDUSTRIAL LUBRICANT

HEALTH EMERGENCY TELEPHONE:

(212)883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800)424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 607028)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 3- LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.927

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>511(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 10° F. SUS

500.0

VISCOSITY: AT 210 F. SUS

60.0

SOLUBILITY IN WATER:

NEGLECTIBLE

POUR POINT: F(C)

10(-12)

FLASH POINT: F(C) (METHOD)

>325(163) (ASTM D-92)

AT 40 C. CS

95.0

AT 100 C. CS

9.9

PH:

NA

NA=NOT APPLICABLE

NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT
(APPROX)

TLV(TWA):

MG/M3

PPM

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 90

ADDITIVES AND/OR OTHER INGREDIENTS.

< 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

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***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 15 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 5 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: RL8330
8347

) MHC: C * C * NA 0 * 0 * US79-057NONE

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 683-5594

REVISED:
1/11/82

Mobil Oil Corporation

ORIGINAL

3225 GALLOWES ROAD
FAIRFAX, VIRGINIA 22037

May 6, 1983

Metro Container Corporation
• Second and Price Streets
Trainer, PA 19013

Attention: Mr. Sidney Levy

Dear Mr. Levy:

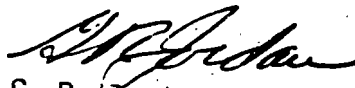
Please refer to your telephone conversation of May 4, 1983 with J. L. Ackerley during which you requested Material Safety Data Bulletins on those products packaged in drums at the Paulsboro Lube Plant.

Enclosed you will find Mobil Material Safety Data Bulletins for the products listed on Attachment I. These MSDS's are essentially similar to Form OSHA 20.

If a particular product line includes products of multiple viscosity grades, we have provided one (1) MSDS which is representative of that product line. Attachment II provides a listing of those products affected. We will be happy to furnish MSDS's for the individual products at your request.

Should you have any questions or require additional information, please let us know.

Very truly yours,


G. R. Jordan, Acting Manager
Product Formulation &
Quality Control

J. Ackerley:kmm
Enclosure
3006h

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

MOBIL VACUOLINE 525

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

ROLLER BEARING OIL

HEALTH EMERGENCY TELEPHONE:

(212) 883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRM 608257)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 3.5 LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

J:847

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>501(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS

450.0

AT 40 C, CS

88.0

VISCOSITY: AT 210 F, SUS

53.0

AT 100 C, CS

10.0

SOLUBILITY IN WATER:

NEGLECTIBLE

PH:

NA

POUR POINT: F(C)

10(-12)

FLASH POINT: F(C) (METHOD)

435(224) (ASTM D-92)

NA=NOT APPLICABLE

NE=NOT ESTABLISHED

D=DECOMPOSES

***** INGREDIENTS *****

WT PCT
(APPROX)

TLV(TWA):

MG/M3

PPM

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 95

ADDITIVES AND/OR OTHER INGREDIENTS.

< 5

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

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MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION *****
MOBILFLEET MULTIGRADE 15W-40

SUPPLIER:	MOBIL OIL CORP.	HEALTH EMERGENCY TELEPHONE:	(212)883-4411
CHEMICAL NAMES AND SYNONYMS:	PET. HYDROCARBONS AND ADDITIVES	TRANSPORT EMERGENCY TELEPHONE:	(800)424-9300 (CHEMTREC)
USE OR DESCRIPTION:	ENGINE OIL	OTHER DESIGNATION:	(TRN 450403)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	ASTM 5.5 LIQUID	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
		513.0	98.0
ODOR:	MILD	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
		75.0	14.0
RELATIVE DENSITY: 15/4 C	0.882	SOLUBILITY IN WATER:	PH:
		NEGLIGIBLE	
MELTING POINT: F(C)	NA	POUR POINT: F(C)	-15(-26)
BOILING POINT: F(C)	>600(316)	FLASH POINT: F(C) (METHOD)	>390(199) (ASTM D-92)
VAPOR PRESSURE:MM HG 20C	< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 75
ADDITIVES AND/OR OTHER INGREDIENTS < 25

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT.
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTN542BHJ200) MHC: 1* 1* NA 1* 1* US83-024NONE
8519

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

APPROVE

REVISED:

4/28/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****
MOBILEFLEET 230

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 450221)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 5.3 LIQUID	VISCOSITY: AT 100 F, SUS 508.0	AT 40 C, CS 98.0
ODOR: MILD	VISCOSITY: AT 210 F, SUS 56.0	AT 100 C, CS 11.6
RELATIVE DENSITY: 15/4 C 0.896	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 0(-18)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) >430(221) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
HAZARDOUS INGREDIENTS: NONE				
NON-HAZARDOUS INGREDIENTS: REFINED MINERAL OILS	> 85			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 15			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTN542C3001) MHC: 1* 1* NA 1* 1* US83-024NONE

8519

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

4/28/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

ORIGINAL

PRODUCT IDENTIFICATION *****

MOBIL DELVAC SUPER

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

ENGINE OIL

HEALTH EMERGENCY TELEPHONE:

(212) 893-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 440305)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 5.5 LIQUID

VISCOSITY: AT 100 F, SUS

513.0

AT 40 C, CS

98.0

ODOR:

MILD

VISCOSITY: AT 210 F, SUS

75.0

AT 100 C, CS

14.0

RELATIVE DENSITY: 15/4 C

0.885

SOLUBILITY IN WATER:

NEGLECTIBLE

PH:

NA

MELTING POINT: F(C)

NA

POUR POINT: F(C)

-20(-29)

BOILING POINT: F(C)

>510(316)

FLASH POINT: F(C) (METHOD)

>390(199) (ASTM D-92)

VAPOR PRESSURE:MM HG 20C

< .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT.	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 75

ADDITIVES AND/OR OTHER INGREDIENTS.

< 25

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL NO: MTN5429BD20) MHC: 1* 1* NA 1* 1* US83-024NONE

APPROVE

8518

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

4/27/83

MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

ORIGINAL

PRODUCT IDENTIFICATION

MOBIL DELVAC 1230

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

AUTOMOTIVE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:

(212)883-4411

TRANSPORT EMERGENCY TELEPHONE:

(800)424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 440677)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 5.5 LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.895

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>600(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS

508.0

VISCOSITY: AT 210 F, SUS

67.0

SOLUBILITY IN WATER:

NEGLEGIBLE

POUR POINT: F(C)

0(-18)

FLASH POINT: F(C) (METHOD)

>430(221) (ASTM D-92)

AT 40 C, CS

110.0

AT 100 C, CS

12.0

PH:

NA

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 85

ADDITIVES AND/OR OTHER INGREDIENTS.

< 15

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL NO: 41N542C012) MHC: 1* 1* NA 1* 1* US83-024 NONE 8513

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

APPROVE

REVISED:

4/27/83

MOBIL MATERIAL SAFETY DATA BULLETIN

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL DELVAC 1135-D

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
AUTOMOTIVE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 440883)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 7.0 LIQUID	490.0	94.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	63.0	10.8
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.887	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	0(-18)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>510(316)	>420(216) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 90
ADDITIVES AND/OR OTHER INGREDIENTS < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: 4FN374C101) MHC: 1* 1* NA 1* 1* US83-003E-146-79 APPROVE 8503

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED: 4/12/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL DELVAC 1140-D

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
AUTOMOTIVE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 440891)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 7.5 LIQUID	VISCOSITY: AT 100 F, SUS 680.0	AT 40 C, CS 150.0
COLOR: MILD	VISCOSITY: AT 210 F, SUS 75.0	AT 100 C, CS 13.7
RELATIVE DENSITY: 15/4 C 0.892	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 5(-15)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) >420(216) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 90
ADDITIVES AND/OR OTHER INGREDIENTS < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT.
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)**CHRONIC OR SPECIALIZED (SUMMARY)****OTHER DATA****FILE CODES:**

(FILL NO: MN3740202) MHC: 1* 1* NA 0* 1* US83-003E-146-77 APPROVE
8503

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

4/12/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA) **ORIGINAL**

***** PRODUCT IDENTIFICATION *****

MOBIL HEAVY DUTY 30

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

AUTOMOTIVE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:

(212) 893-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9330 (CHEMTREC)

OTHER DESIGNATION:

(TRN 410126)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM D.5 LIQUID

VISCOSITY: AT 100 F, SUS

543.0

AT 40 C, CS

104.0

ODOR:

MILD

VISCOSITY: AT 210 F, SUS

67.0

AT 100 C, CS

11.7

RELATIVE DENSITY: 15/4 C

0.898

SOLUBILITY IN WATER:

NEGLECTIBLE

PH:

NA

MELTING POINT: F(C)

NA

POUR POINT: F(C)

-15(-26)

BOILING POINT: F(C)

>600(316)

FLASH POINT: F(C) (METHOD)

420(216) (OPEN CUP)

VAPOR PRESSURE:MM HG 20C

< .1

NA=NOT APPLICABLE

NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT
(APPROX)

TLV(TWA):

MG/M3

PPM

HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 98

ADDITIVES AND/OR OTHER INGREDIENTS.

< 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTNSJIC151) MHC: 1* 1* NA 1* 1* US82-119NONE

APPROVE

8483

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

REVISED:

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 383-5594

3/23/83

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBILFLEET 300 15W-40

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
LUBRICANTHEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 450411)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 6.0 LIQUID	519.0	100.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	75.0	14.0
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.887	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	-20 (-29)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600 (316)	390 (199) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT TLV(TWA): MG/M3 PPM
(APPROX)HAZARDOUS INGREDIENTS:
NONENON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 70
ADDITIVES AND/OR OTHER INGREDIENTS < 30

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTN559880100) MHC: 1* 1* NA 1* 1* US82-211NONE
8471

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

REVISED:

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

3/11/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL SPECIAL 20W-40

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MULTIGRADE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212) 893-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-7330 (CHEMTREC)
OTHER DESIGNATION:
(TRN 402503)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 4.5 LIQUID	VISCOSITY: AT 100 F, SUS 500.0	AT 40 C, CS 106.0
COLOR: MILD	VISCOSITY: AT 210 F, SUS 12.0	AT 100 C, CS 13.1
RELATIVE DENSITY: 15/4 C 0.889	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -25(-32)	
BOILING POINT: F(C) >610(316)	FLASH POINT: F(C) (METHOD) >415(213) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 85
ADDITIVES AND/OR OTHER INGREDIENTS < 15

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: TS00194032) MHC: C * C * NA C * C * US82-214NONE

8451

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

2/19/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****
PL 10W-40 SF/FE

SUPPLIER:	HEALTH EMERGENCY TELEPHONE:
MOBIL OIL CORP.	(212) 883-4411
CHEMICAL NAMES AND SYNONYMS:	TRANSPORT EMERGENCY TELEPHONE:
PET. HYDROCARBONS AND ADDITIVES	(800) 424-9300 (CHEMTREC)
USE OR DESCRIPTION:	OTHER DESIGNATION:
LUBRICANT	(TRN 470021)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 7.5 LIQUID	378.0	75.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	77.5	14.0
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.876	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	-23(-29)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>630(316)	>390(199) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

	WT PCT	TLV(TWA):	MG/M3	PPM
	(APPROX)			
HAZARDOUS INGREDIENTS:				
NONE				
NON-HAZARDOUS INGREDIENTS:				
REFINED MINERAL OILS	> 75			
ADDITIVES AND/OR OTHER INGREDIENTS.	< 25			

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 15 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 5 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS
ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY
FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR
PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: 4TN533C2103) MHC: C* 0* NA 0* 0* US82-089E-510-74 APPROVE
8425

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

REVISED:

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

1/24/83

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL CAR DEALER 20W-50

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PETROLEUM HYDROCARBONS AND ADDIT
USE OR DESCRIPTION:
AUTO ENGINE LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 402628)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 5.0 LIQUID	735.0	142.0
ODOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	87.0	16.8
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.89	NEGLECTIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	-15(-26)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600(316)	435(224) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 80
ADDITIVES AND/OR OTHER INGREDIENTS < 20

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTNS11BEA100) MHC: 1* 1* NA 2* 1* US80-240
8411

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

REVISED:

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 983-5594

1/10/83

ORIGINAL

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION

MOBIL CAR DEALER 20W-40

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

MULTIGRADE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:

(212) 983-4411

TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

OTHER DESIGNATION:

(TRN 402610)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:

ASTM 5.0 LIQUID

ODOR:

MILD

RELATIVE DENSITY: 15/4 C

0.889

MELTING POINT: F(C)

NA

BOILING POINT: F(C)

>600(316)

VAPOR PRESSURE:MM HG 20C

< .1

VISCOSITY: AT 100 F, SUS

550.0

VISCOSITY: AT 210 F, SUS

72.0

SOLUBILITY IN WATER:

NEGLECTIBLE

POUR POINT: F(C)

-30(-34)

FLASH POINT: F(C) (METHOD)

415(213) (ASTM D-92)

AT 40 C, CS

106.0

AT 100 C, CS

12.8

PH:

NA

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:

NONE

NON-HAZARDOUS INGREDIENTS:

REFINED MINERAL OILS

> 85

ADDITIVES AND/OR OTHER INGREDIENTS.

< 15

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTN511B0A151) MHC: 1* 1* NA J* 1* US82-CRNONE

8531

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

10/22/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)PRODUCT IDENTIFICATION
MOBIL OIL MARINE SAE 30SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
MARINE ENGINE OILHEALTH EMERGENCY TELEPHONE:
(212) 853-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 410415)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE:	VISCOSITY: AT 100 F, SUS	AT 40 C, CS
ASTM 3.3 LIQUID	530.0	100.0
COLOR:	VISCOSITY: AT 210 F, SUS	AT 100 C, CS
MILD	67.0	11.5
RELATIVE DENSITY: 15/4 C	SOLUBILITY IN WATER:	PH:
0.895	NEGLIGIBLE	NA
MELTING POINT: F(C)	POUR POINT: F(C)	
NA	-15(-26)	
BOILING POINT: F(C)	FLASH POINT: F(C) (METHOD)	
>600(316)	440(227) (ASTM D-92)	
VAPOR PRESSURE: MM HG 20C		
< .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT TLV(TWA): MG/MS PPM
(APPROX)HAZARDOUS INGREDIENTS:
NONENON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 90
ADDITIVES AND/OR OTHER INGREDIENTS < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE --- HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTN508CA101) MHC: 1* 1* NA 1* 1* US82-088NONE

8331

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

10/22/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION
MOBIL CAR DEALER 33

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
AUTOMOTIVE ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 412429)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 3.0 LIQUID	VISCOSITY: AT 100 F. SUS 530.0	AT 40 C. CS 67.0
ODOR: MILD	VISCOSITY: AT 210 F. SUS 102.0	AT 100 C. CS 12.0
RELATIVE DENSITY: 15/4 C 0.875	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -15(-25)	
BOILING POINT: F(C) >610(316)	FLASH POINT: F(C) (METHOD) 440(227) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 90
ADDITIVES AND/OR OTHER INGREDIENTS. < 10

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

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ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

FILE CODES:

(FILL NO: MTN538C1A153) MHC: 1* 1* NA 1* 1* US82-08RNONE

APPROVE

8331

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

REVISED:

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

10/22/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****
MOBIL SPECIAL 15W-30

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
AUTO ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212)843-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 400101)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 4.5 LIQUID	VISCOSITY: AT 100 F, SUS 339.0	AT 40 C, CS 65.9
ODOR: MILD	VISCOSITY: AT 210 F, SUS 61.5	AT 100 C, CS 10.4
RELATIVE DENSITY: 15/4 C 0.878	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -20(-29)	
BOILING POINT: F(C) >500(316)	FLASH POINT: F(C) (METHOD) 400(204) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
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HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 80
ADDITIVES AND/OR OTHER INGREDIENTS < 20

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

~~ORAL TOXICITY: (RATS)~~

LD50: > 5 G/KG 0/10 RATS DIED AT THIS DOSAGE LEVEL. CONSIDERED TO BE NO MORE THAN SLIGHTLY TOXIC BASED ON SINGLE DOSE LEVEL TESTING AT 5 G/KG.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG 0/06 RABBITS DIED AT THIS DOSAGE LEVEL. CONSIDERED TO BE NO MORE THAN SLIGHTLY TOXIC BASED ON SINGLE DOSE LEVEL TESTING AT 2 G/KG.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

CAUSED NO SIGNIFICANT IRRITATION TO RABBITS. EYE IRRITATION SCORES: 2.7 AT 1 HOUR, 0.3 AT 24 HOURS, 0 AT 48 HOURS, 0 AT 72 HOURS

SKIN IRRITATION: (RABBITS)

SLIGHTLY IRRITATING TO RABBITS. PRIMARY IRRITATION SCORE: 1.5/8

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL NO: M0N511ACA151) MHC: 1 1 NA C 1 US82-119E-XX-81 APPROVE
8323

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
10/14/82

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

PRODUCT IDENTIFICATION
MOBIL DELVAC SPECIAL 10W-30

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
AUTO ENGINE OIL

HEALTH EMERGENCY TELEPHONE:
(212) 883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 440222)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: ASTM 5.5 LIQUID	VISCOSITY: AT 100 F, SUS 340.0	AT 40 C, CS 66.0
ODOR: MILD	VISCOSITY: AT 210 F, SUS 52.0	AT 100 C, CS 10.5
RELATIVE DENSITY: 15/4 C 0.881	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) -35(-37)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) 400(204) (ASTM D-92)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT	TLV(TWA):	MG/M3	PPM
(APPROX)			

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:
REFINED MINERAL OILS > 80
ADDITIVES AND/OR OTHER INGREDIENTS < 20

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY: (RABBITS)

SLIGHTLY TOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY: (RATS)

NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION: (RABBITS)

MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

(FILL NO: MN514AC2102) MHC: 1* 1* NA 1* 1* US82-119NONE 8323

APPROVE

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:
10/14/82

Products With Multiple Viscosity Grades

<u>Product Line</u>	<u>No. of Products</u>	<u>MSDB Provided</u>
Mobil Heavy Duty Series	5	Mobil Heavy Duty 30
Mobil Delvac 1100 Series	5	Mobil Delvac 1130
Mobil Delvac 1200 Series	4	Mobil Delvac 1230
Mobil Delvac 1300 Series	5	Mobil Delvac 1330
Mobilfleet 200 Series	3	Mobilfleet 230
Mobil Regular Series	5	Mobil Regular 30
HDO-OE Series	3	HDO-OE-30
PL HD Series	2	PL HD 30
Mobil Vactra Named Series	8	Mobil Vactra Oil Heavy
Mobil Hydraulic Series	4	Mobil Hydraulic Oil Hvy Med
Mobil Viscolite Series	4	Mobil Viscolite 88
Mobil DTE Named Series	5	Mobil DTE Oil Hvy Med
Mobil DTE Lettered Series	3	Mobil DTE Oil 88
Mobil Vactra Numbered Series	4	Mobil Vactra Oil No. 2
Mobil Velocite Series	3	Mobil Velocite Oil No. 6
Mobilgard 12 Series	3	Mobilgard 412
Mobilgard 42 Series	2	Mobilgard 442
Mobilgard 24 Series	2	Mobilgard 424
Mobil DTE 20 Series	3	Mobil DTE 25
Mobil DTE 10 Series	2	Mobil DTE 13
Mobil Almo 500 Series	3	Mobil Almo 527
Mobil Vacuoline 300 Series	3	Mobil Vacuoline 337
Mobil Vacuoline 500 Series	2	Mobil Vacuoline 525
Mobilgear 600 Series	7	Mobilgear 630

CUSTOMER ID: 1148526010

601310	MOBIL VACUOLINE 1405	
601320	MOBIL VACUOLINE 1405	
601419	MOBIL VACUOLINE 133	
601463	MOBIL VACUOLINE 146	
601690	GARGOYLE ARCTIC OIL C HEAVY	
601703	GARGOYLE ARCTIC OIL EXTRA HEAVY	
601880	MOBIL DTE OIL 105	
601944	MOBIL VOCO ENGINE OIL NO. 1	
602227	SCCONY DUST STOP LUBRICANT	
602454	MOBILGARD 593	L231
602482	MOBILGARD 412	
602524	MOBILGARD 442	
602565	MOBILGARD 424	
602531	MOBIL DTE 25	
602640	MOBIL DTE 13	
602813	MOBILGARD 340	
603191	MOBIL ALMO 527	
605754	MOBILFLUID 350	
606103	MOBIL VACUOLINE 337	
606665	MOBILGARD 300	
606723	MOBILGARD 507	
606806	MOBILGARD 570	
606973	ETNA 25	
607028	MOBIL MIST LUBE 27	L231
608257	MOBIL VACUOLINE 525	
610766	MOBIL SM NO. 6	
611873	MOBILGEAR 630	
620542	AMBREX 150	
620583	AMBREX 300	
621541	FLOWREX 100	
621643	FLOWREX 200	
621737	FLOWREX 500	
621883	RUBREX 200	
665547	MOBILMET OMICRON	
665554	MOBILMET UPSILON	
665392	MOBILMET NU	L99
667055	MOBILARMA 355	
667139	MOBILARMA 524	
671487	VACMUL 150	
671350	VACMUL A6	
680355	MOBILSOL A	
680512	MOBILTHERM 603	L231
621847-34	RUBREX 100	

ORIGINAL

CUSTOMER ID: 1148526010

470021	PL 10W-40 SF/FE	
470021	MOB-0E-30	
471011	PL 10W-30 SF	
472134	PL HD 30	
476374	INFILREX 165 SAE 50	
476515	INFILREX 263 SAE 5W-30	
480152	MOBIL SUPER 10W-40	
490110	MOBIL AERO HFA	
494914	AVREX 903	L230
510115	MOBILUBE C 90	L230
510123	MOBILUBE C 140	
510155	MOBILUBE HD 80W-90	
510194	MOBILUBE HD 85W-140	
520155	MOBILFLUID 99	
522144-01	MOBIL ATF 210	
522177	MOBIL ATF 220	
522250	MOBILFLUID 300	
522313	MOBILFLUID 423	
554279	INFILREX 441	
554295	INFILREX 316 GM	
565028	PL GM ATF	
565153	PL FORD ATF -RL 93B AR-1	
580415	MOBIL VACTRA OIL HEAVY	
591223	MOBIL HYDRAULIC OIL HEAVY MEDIUM	
591728	MOBIL VISCOLITE OIL BB	
590114	MOBIL DTE 797 OIL	
590153	MOBIL DTE OIL HEAVY MEDIUM	
590221	MOBIL DTE OIL BB	
590494	MOBIL VACTRA OIL NO. 2	
590569	MOBIL VELOCITE OIL NO. 6	
590713	MOBIL DTE OIL NO. 3	L124
590915	RARUS 57	
591211	MOBIL 500 W SUPER CYLINDER OIL	
591237	MOBIL EXTRA HECLA SUPER CYLINDER OIL	
591245	MOBIL EXTRA HECLA SUPER CYLINDER OIL MINERAL	
591260	MOBIL 600 W CYLINDER OIL	

Products With Multiple Viscosity Grades

ORIGINAL

<u>Product Line</u>	<u>No. of Products</u>	<u>MSDB Provided</u>
Mobil Heavy Duty Series	5	Mobil Heavy Duty 30
Mobil Delvac 1100 Series	5	Mobil Delvac 1130
Mobil Delvac 1200 Series	4	Mobil Delvac 1230
Mobil Delvac 1300 Series	5	Mobil Delvac 1330
Mobilfleet 200 Series	3	Mobilfleet 230
Mobil Regular Series	5	Mobil Regular 30
HDO-OE Series	3	HDO-OE-30
PL HD Series	2	PL HD 30
Mobil Vactra Named Series	8	Mobil Vactra Oil Heavy
Mobil Hydraulic Series	4	Mobil Hydraulic Oil Hvy Med
Mobil Viscolite Series	4	Mobil Viscolite 88
Mobil DTE Named Series	5	Mobil DTE Oil Hvy Med
Mobil DTE Lettered Series	3	Mobil DTE Oil 88
Mobil Vactra Numbered Series	4	Mobil Vactra Oil No. 2
Mobil Velocite Series	3	Mobil Velocite Oil No. 6
Mobilgard 12 Series	3	Mobilgard 412
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Mobil Almo 500 Series	3	Mobil Almo 527
Mobil Vacuoline 300 Series	3	Mobil Vacuoline 337
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602227	SCCONY DUST STOP LUBRICANT	
602454	MOBILGARD 393	L231
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602555	MOBILGARD 424	
602531	MOBIL DTE 25	
602540	MOBIL DTE 13	
602813	MOBILGARD 346	
603191	MOBIL ALMO 527	
605754	MOBILFLUID 350	
606103	MOBIL VACUOLINE 337	
606655	MOBILGARD 300	
606723	MOBILGARD 507	
606806	MOBILGARD 570	
606970	ETNA 25	
607028	MOBIL MIST LUBE 27	L231
608257	MOBIL VACUOLINE 525	
610766	MOBIL SM NO. 6	
610473	MOBILGEAR 630	
620342	AMBREX 150	
620383	AMBREX 300	
621541	FLOWREX 100	
621643	FLOWREX 200	
621737	FLOWREX 500	
621893	RUBREX 200	
665547	MOBILMET OMICRON	
665554	MOBILMET UPSILON	
665992	MOBILMET NU	L99
667055	MOBILARMA 355	
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671350	VACMUL A6	
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680512	MOBILTHERM 603	L231
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ORIGINAL

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591237	MOBIL EXTRA HECLA SUPER CYLINDER OIL	
591243	MOBIL EXTRA HECLA SUPER CYLINDER OIL MINERAL	
591250	MOBIL 600 W CYLINDER OIL	

CUSTOMER ID: 1148526010

40J101	MOBIL SPECIAL 10W-30
40J115	MOBIL SPECIAL 10W-30 EXPORT
402503	MOBIL SPECIAL 20W-40
402602	MOBIL CAR DEALER 10W-30
402610	MOBIL CAR DEALER 20W-40
402628	MOBIL CAR DEALER 20W-50
410126	MOBIL HEAVY DUTY 30
410415	MOBIL OIL MARINE SAE 30
412411	MOBIL CAR DEALER 20W-20
412429	MOBIL CAR DEALER 30
440222	MOBIL DELVAC SPECIAL 10W-30
440230	MOBIL DELVAC SPECIAL 20W-40
440305	MOBIL DELVAC SUPER
440529	MOBIL DELVAC 1130
440577	MOBIL DELVAC 1230
440727	MOBIL DELVAC 1330
440883	MOBIL DELVAC 1130-0
440891	MOBIL DELVAC 1140-0
450221	MOBILFLEET 230
450403	MOBILFLEET MULTIGRADE 15W-40
450411	MOBILFLEET 300 15W-40
450121	MOBIL REGULAR 30

Mobil Oil Corporation

3225 GALLOWAY ROAD
FAIRFAX, VIRGINIA 22037

ORIGINAL

May 6, 1983

Metro Container Corporation
• Second and Price Streets
Trainer, PA 19013

Attention: Mr. Sidney Levy

Dear Mr. Levy:

Please refer to your telephone conversation of May 4, 1983 with J. L. Ackerley during which you requested Material Safety Data Bulletins on those products packaged in drums at the Paulsboro Lube Plant.

Enclosed you will find Mobil Material Safety Data Bulletins for the products listed on Attachment I. These MSDS's are essentially similar to Form OSHA 20.

If a particular product line includes products of multiple viscosity grades, we have provided one (1) MSDS which is representative of that product line. Attachment II provides a listing of those products affected. We will be happy to furnish MSDS's for the individual products at your request.

Should you have any questions or require additional information, please let us know.

Very truly yours,



G. R. Jordan, Acting Manager
Product Formulation &
Quality Control

J. Ackerley:kmm
Enclosure
3006h

MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

150 EAST 42ND STREET
NEW YORK, N.Y. 10017 (USA)

***** PRODUCT IDENTIFICATION *****

VACMUL 150

SUPPLIER:
MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION:
METAL PROCESSING OIL

HEALTH EMERGENCY TELEPHONE:
(212)883-4411
TRANSPORT EMERGENCY TELEPHONE:
(800)424-9300 (CHEMTREC)
OTHER DESIGNATION:
(TRN 671487)

***** TYPICAL CHEMICAL AND PHYSICAL PROPERTIES *****

APPEARANCE: RED TAN LIQUID	VISCOSITY: AT 100 F, SUS 150.0	AT 40 C, CS 31.9
ODOR: MILD	VISCOSITY: AT 210 F, SUS NE	AT 100 C, CS NE
RELATIVE DENSITY: 15/4 C J.844	SOLUBILITY IN WATER: NEGLECTIBLE	PH: NA
MELTING POINT: F(C) NA	POUR POINT: F(C) 25(-4)	
BOILING POINT: F(C) >600(316)	FLASH POINT: F(C) (METHOD) 340(171) (OPEN CUP)	
VAPOR PRESSURE:MM HG 20C < .1		

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

***** INGREDIENTS *****

WT PCT (APPROX)	TLV(TWA):	MG/M3	PPM
--------------------	-----------	-------	-----

HAZARDOUS INGREDIENTS:
NONE

NON-HAZARDOUS INGREDIENTS:	
REFINED MINERAL OILS	> 90
ADDITIVES AND/OR OTHER INGREDIENTS.	< 10
CHLORINATED PARAFFIN WAX	< 5

NOTE: TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

***** TOXICOLOGICAL DATA *****

ACUTE

ORAL TOXICITY: (RATS)

LD50: > 5 G/KG CONSIDERED TO BE NO MORE THAN SLIGHTLY TOXIC
BASED ON SINGLE DOSE LEVEL TESTING AT 5 G/KG.

DERMAL TOXICITY: (RABBITS)

LD50: > 2 G/KG 1/06 RABBITS DIED AT THIS DOSAGE LEVEL. CONSIDERED
TO BE NO MORE THAN SLIGHTLY TOXIC BASED ON SINGLE DOSE LEVEL TESTING AT
2 G/KG.

INHALATION TOXICITY: (RATS)

NOT ESTABLISHED

EYE IRRITATION: (RABBITS)

CAUSED SLIGHT IRRITATION TO RABBITS.

SKIN IRRITATION: (RABBITS)

SLIGHTLY IRRITATING TO RABBITS. PRIMARY IRRITATION SCORE: 1.3/8

SUBACUTE AND MUTAGENICITY (SUMMARY)

CHRONIC OR SPECIALIZED (SUMMARY)

OTHER DATA

NONE

FILE CODES:

MHC: 1 1 NE 1 1 63-72 E 247-73 APPROVE 7611

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPT.

MANAGER OF PRODUCT SAFETY INFORMATION, PHONE: (212) 883-5594

REVISED:

11/ 1/80

(mmmm) Mobil

(P1)

undue y
connec
w/ Mobil

Could these be supplies?

Invoice Coyne Chem

Date
10/28/83
10/17/83

Quan

Mats

040260-00

0033312-00

Di Sodium
Phosphate
Sodium
nitrate
5/600 dr
1000 bag
1,500 bag

4000 liquid
ferrous
chloride

Salt Service + Chem
013005DI

10/25/83

Bulk (1)

5000
Caustic
SODA. Lg 50%

Water Chem

10/25/83

400 medium

maxifloc 8662
(floculent)

00018

100 net wgt

00012

10/7/83

4 drums

maxifloc
8631 + 8046

(universal)
Salt Service + Chem

012858DI

10/19/83

1041 ga

toluol

(universal)
Delmarva Chemicals
2931

10/18/83

1 tank truck
19.32 tons

20°
muriatic
acid

Stevens Paint Corp
70928

10/18/83

850+ gal

paint?
so metho
can paint
drums?

Mobil #08922

10/18/83

1/559a

LSD
empty used

sold to Universal Container (metals)
2nd & P.M.C., Thru

1527

Brulin + Company
355822

10/18/83

559a
45 lbs

D-370 PV
Velvet Grain

Coyne Chem

0030539-00

7/19/83

1000 lbs
1000 lbs

Di Sod. Phosph.
Sod. Nitrate

Mobil brief resp 5/4/88, 5/18/88, 5/13/88

~~Report~~ (Mobil)

(P2)

5/20/88 104 e resp
(104 e 4/12/88)

Paulsboro refinery
&
marketing function

residuals were Mobil contends, petroleum
or petroleum prod
Guan + Residual Contents of unwashed
55 gal drums undocumented but believed to be

9/25/80 letter fr Universal ^{2nd time} Cont to Mobil
pick up raw drums at Paulsboro which
will include Brooklyn Warehouse drums,
dropped there by Brooklyn Drays; Mobil will
deliver to Trainer, drums picked up via Mobil
dray fr other sources

8/19/80 to: Universal
request for quote raw additive drums at Paulsboro

SOVASOL Test - particulates 12/3/87

Catalyst drums
raw drums

- 12/27/82 Mobil Delvac 1330 MSDS engine oil > 90 refined mineral oil < 10 additives
- 12/27/82 Mobil Car Dealer 20W-20 auto engine oil ↑ (same)
- 11/30/82 Mobil Delvac Special 20W-40 Engine lube 785 mineral oil < 15 additives
- 11/30/82 Mobil Delvac 1130 auto engine oil 790 m.o. < 10 add.
- 10/27/82 Mobil Car Dealer 10W-30 multigrade engine oil > 85 m.o. < 15 add

→ 11/8/79 (2) Drums Paint Shipper: Mobil Chem, Plainfield, NJ
to Netco

5/3/79 Mobil memo: empty drum Returns
N.J. Jersey customers
excessive oil or slop in drums Newark
Antikser B
Cont'l Can Pinhook
Bat Elms Sealant Service
Hoboken
Maxwell Hse
Edison
American Can
Mobil Can
US Metals
Carter

K LEASING, INC.

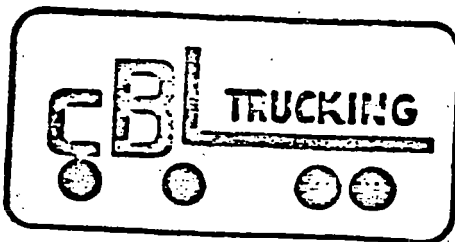
J. 08075

New Jersey points 800-792-8620

York City 800-257-9012

Philadelphia WA 3-2327

and Eastern Penna. 1-800-257-9012 Phone (609) 461-1730



PRO. NO. 70384

GENERAL COMMODITIES & STEEL
EXPEDITED SERVICE ON:

1. T/L AND LARGE LTL
2. PIER MOVEMENTS
3. ALCOHOLIC BEVERAGE

ICC MC-134221

"common" common carrier serving Eastern Penna., New Jersey, and New York City through the "Jersey Corridor".

MOBIL CHEMICAL CO

PO BOX 189

PLAINFIELD NJ

EDISON NJ

NOV 15 1979

Universal Container Corp.

CONSIGNEE

UNIVERSAL CONTAINER
CORPORATION

2ND & PRICE STREETS
TRAINER, PA.

19103

BILL LADING		CONNECTING CARRIER		PREPAID	COLLECT	PRO NO.	DATE	SALE CODE
						XX	70384	11/08/79
4803	DESCRIPTION	GROSS WEIGHT	RATE	FREIGHT CHARGES				
2	DRUMS PAINT, FLAMMABLE	1018	4.42	45.0				
	1.6% EMERGENCY FUEL SURCHARGE:			.7				
2	TOTAL	1018		45.7				

AMERCE COMMISSION REQUIRES THAT THIS BALANCE BE PAID IN SEVEN DAYS. YOUR CO-OPERATION WILL BE APPRECIATED.

FREIGHT INVOICE

Mobil

#3

5/18/78 15-20 gal. Waste in drums
acid in ^{July} drum left drive blind b/c plug ^{bung} removed

10/11/78 Padsboro mobil cancelled Acme Steel Dr & hired
Universal Cont (Metro)

MSDS 4/8/83 Mobil Fleet Multigrade 15W-40 engine oil > 75
4/8/83 Mobil Fleet 230 " > 85 < 15 < 25

4/27/83 Mobil Delvac Super engine oil > 75 < 25

4/27/83 Mobil Delvac 1230 auto engine oil > 85 < 15

4/12/83 Mobil Delvac 1130-D (same) > 90 < 10

4/12/83 " " 1140-D > 90 < 10

3/23/83 Heavy Duty 30 > 90 < 10

3/11/83 Mobilflee 300 15W-40 lubricant > 70 < 30

Other oil mshs:

4/19/83 Mobil Special 10W-40 10/12/82

1/24/83 PL 10W-40 SF/FE

1/10/83 Mobil Car Dealer 20W-50 lube

10/22/82 Mobilul Marine SAE 30

10/22/82 Mobil Car Dealer 30

10/14/82 Mobil Special 10W-30

10/14/82 Mobil Delvac Special 10W-30

11/1/80 Vacumul 15D metal processing oil > 90 < 10

< 5 chlorinated
paraffin
wax

1/11/82 Mobil Vacuoline 525 roller bearing oil

9/14/82 Mobil Mist Lube 27 ind. lube

1/3/83 Mobilgard 570

4/12/83 " 507

7/14/82 " 300

1/8/82 Vacuoline 337 lube

10/14/82 Mobil Fluid 350

Mobil

(94)

12/28/82 Mobil Almo 527 rock drill lube
many, many more

795
25
5% chlor.
paraffin
wax

1/4/83 Mobil Voco Engine Oil No. 1 775 Special machine oil
25

(one) qt Sovasol #5 kense per drum
recovering 1 pt transferring to 4oz tall for

Chge in program
mobil's drum return policy only allowed
virgin prod to remain in drum -> chgd.
D. C. Weckerly '80

106 Silica gel catalyst drums for Mobil to Trautman
122 " " " " " 12/22/7 PA
" " " " " 12/21/7 " "
(Lots of these type)
some are Siluagel

Circle Haz. Subs:

- additives not described only 70
- 2 paint drums (lead)
- Chlorinated paraffin Wax

~~Vacmul 150 (metal processing oil)~~

same for
Delaware
50%
70%
Mobil
100%
750%
100%
750%
100%
750%

> 90 refined mineral oils
article says
are made of solvent that can include
naphthalene, xylene, acetone & isopropanol

these are refined
mineral oil -
not standard
article on